

STATEMENT OF QUALIFICATIONS

Name of Lab: Scientific Crime Detection Laboratory
5500 E. Tudor Road
Anchorage, AK 99507

Date: June 4, 2009

Name: Kristin L. Denning

Job Title: Forensic Scientist III

Discipline(s): Indicate all areas in which you do casework.

Biological Evidence Screening/Serology and Trace Evidence Analysis

Education: List all higher academic institutions attended.

Institution	Dates attended	Major	Degree completed
Colorado State University	1982-1989	Biochemistry	B.S.

Other Training: List continuing education, workshops, in-service and other formal training received.

2009: So You Think You Know Digital Imaging? SWGIT Advice to all AAFS Disciplines, American Academy of Forensic Sciences annual meeting, Denver, Colorado (8 hours).

2008: Polarized Light and Chemical Microscopy, College of Microscopy – The McCrone Group, Westmont, Illinois (40 hours).

Body Fluid Identification and Microscopic Methods of Sperm Detection for Forensic DNA/Serology/Biology, College of Microscopy – The McCrone Group, Westmont, Illinois (24 hours).

Advanced Bloodstain Pattern Analysis, Tom Bevel, TBI, LLC, Anchorage, Alaska (40 hours).

Expert Witness Testimony Techniques, Ron Smith and Associates, Inc, Anchorage, Alaska (16 hours)

2005: Instructor Development Course, FBI, SAS David L. Blankenship and TI Beverly D. Pawlik, Anchorage, Alaska (40 hours).

2003: Fracture Match Theory, Midwestern Association of Forensic Scientists annual meeting, Columbus, Ohio (8 hours).

Wood Identification, Midwestern Association of Forensic Scientists annual meeting, Columbus, Ohio (8 hours).

Microspectrophotometer Interpretation, Midwestern Association of Forensic Scientists annual meeting, Columbus, Ohio (4 hours).

Forensic Digital Imaging, Imaging Forensics, George Reis, Anchorage, Alaska (24 hours).

Winning Courtroom Confrontations: A Seminar on How to be an Effective Witness in the Courtroom, Valerie Van Brocklin, Law Enforcement Trainer, Anchorage, Alaska (8 hours).

2002: Applied Polarized Light Microscopy, McCrone Research Institute, Chicago, Illinois (40 hours).

Bloodstain Pattern Analysis Workshop, Utah Bureau of Forensic Sciences, Anchorage, AK (40 hours).

2000: Digital Imaging of Evidentiary Photography, FBI Training Academy, Quantico, Virginia (80 hours).

1998: Infrared Spectrometry for Trace Analysis, FBI Training Academy, Quantico, Virginia (40 hours).

1997: Presenting DNA Statistics in Court, Bruce Weir and George Carmody, Scottsdale, Arizona (16 hours).

1996: Introduction to Hairs and Fibers, FBI Training Academy, Quantico, Virginia (80 hours).

Crime Scene Investigation, APD Training Academy, Anchorage, Alaska (40 hours).

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Other Training: (continued)

- 1995: Trace Evidence Workshop, Skip Palenik, Scientific Crime Detection Laboratory, Anchorage, Alaska (16 hours).
- 1994: Forensic Use of PCR Analysis Workshop, Canadian Society of Forensic Science/Northwest Association of Forensic Scientists joint meeting, Vancouver, British Columbia (16 hours).
- Population Genetics, Dr. Todd W. Gayley, Scientific Crime Detection Laboratory, Anchorage, Alaska (24 hours).
- Crime Scene & Physical Evidence Training, DPS Training Academy, Sitka, Alaska (24 hours).
- 1993: AmpliType™ HLA DQα Forensic DNA Amplification and Typing Training Workshop, Roche Molecular Systems, Alameda, California (40 hours).
- New Forensic PCR Amplification and Typing Methods Workshop, Roche Molecular Systems, Alameda, California (24 hours).
- 1991: DNA Workshop (Technical), Cetus Corporation, Northwest Association of Forensic Scientists, Anchorage, Alaska (16 hours).

Courtroom Experience: List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

I have testified 147 times in the areas of Biological Evidence Screening/Serology (4/94 to present), Trace Evidence Analysis (11/96 to present) and DNA analysis (4/94 to 7/00).

Professional Affiliations: List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

American Academy of Forensic Sciences – Associate Member

Employment History: List all scientific or technical positions held, particularly those related to forensic sciences. List current position first. Give a brief summary of principal duties and tenure in each position.

- (1) Job Title: Forensic Scientist III (Criminalist III)
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory
Anchorage, Alaska
Principal Duties: Perform scientific techniques in the identification of body fluids, i.e., blood and semen.
Conduct forensic comparisons of trace evidence.
Tenure: 08/93 - present
- (2) Job Title: Fisheries Technician III
Employer: Alaska Department of Fish & Game
Anchorage, Alaska
Principal Duties: Genetic laboratory analyses of commercially important salmonid and shellfish species by starch gel electrophoresis of proteins and restriction analyses of DNA.
Tenure: 11/92 - 07/93
- (3) Job Title: Biological Science Technician (Chief)
Employer: U.S. Fish & Wildlife Service
Anchorage, Alaska
Principal Duties: Provide technical support to staff fisheries geneticists and fisheries biologists for ongoing Genetic Stock Identification Project. Research and development of a PCR based protocol for application to a new genus.

Tenure: 02/92 - 11/92

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Employment History: (continued)

- (4) Job Title: Biological Technician
Employer: U.S. Fish & Wildlife Service
Anchorage, Alaska
Principal Duties: Extract mitochondrial DNA and genomic DNA from a diverse collection of fish and wildlife samples for genetic analyses utilizing Restriction Fragment Length Polymorphisms (RFLP) and Polymerase Chain Reaction (PCR).
Tenure: 01/91 - 02/92
- (5) Job Title: Biological Laboratory Technician
Employer: U.S. Fish & Wildlife Service
Anchorage, Alaska
Principal Duties: Provide technical support for ongoing Genetic Stock Identification Project.
Tenure: 09/89 - 01/91

Other Qualifications: List below any scientific publication and/or presentation you have authored or co-authored research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.

INSTRUCTOR CERTIFICATION:

Alaska Police Standards Council Certified Police Instructor (Biological Evidence Screening, Sexual Assault Screening, and Trace Evidence).

PUBLICATIONS:

DNA Profiling in Two Alaskan Native Populations Using HLA-DQA1, PM, and D1S80 Loci.
M. Walkinshaw, L. Strickland, H. Hamilton, K. Denning, T. Gayley, Journal of Forensic Sciences, Vol. 41, No. 3, May 1996, Pp 478-484.

SCIENTIFIC PRESENTATIONS:

Design and Implementation of a Practical Video Imaging System for Trace Evidence Documentation.
J.L. Fair, J.R. Wolfe, K.L. Denning, C.W. Beheim, and G.M. Taft, International Symposium on the Forensic Examination of Trace Evidence in Transition, San Antonio, Texas, 1996.

MEETINGS ATTENDED:

The Eighth International Symposium on Human Identification, Scottsdale, Arizona, September, 1997.

Northwest Association of Forensic Scientists
1999 - Anchorage, Alaska
1995 - Anchorage, Alaska
1994 - Vancouver, British Columbia
1991 - Anchorage, Alaska

Midwestern Association of Forensic Scientists
2003 - Columbus, Ohio

American Academy of Forensic Sciences
2006 - Seattle, Washington

2009 - Denver, Colorado